

# PI3 Kinase p110 alpha Rabbit mAb

Catalog No.: A22730 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

110kDa/

### Calculated MW

124kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC58257

## Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.

## Recommended Dilutions

**WB** 1:2500 - 1:5000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

### Gene ID

5290

### Swiss Prot

P42336

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 294-610 of human PI3 Kinase p110 alpha. (NP\_006209.2).

### Synonyms

MCM; CCM4; CWS5; MCAP; PI3K; CLAPO; CLOVE; MCMTC; PI3K-alpha; p110-alpha; PI3 Kinase p110 alpha

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

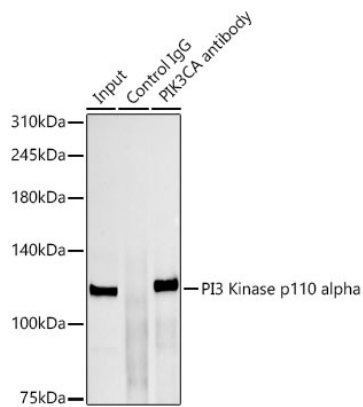
Affinity purification

### Storage

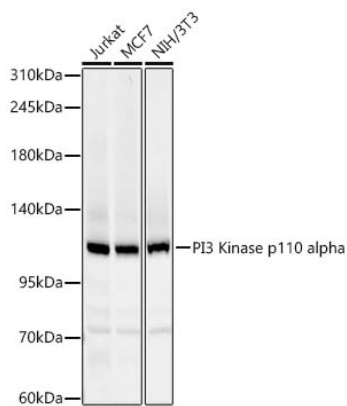
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg PI3 Kinase p110 alpha antibody (A22730). Western blot was performed from the immunoprecipitate using PI3 Kinase p110 alpha antibody (A22730) at a dilution of 1:80000.



Western blot analysis of various lysates using PI3 Kinase p110 alpha Rabbit mAb (A22730) at 1:5000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates / proteins: 25 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.